



FACT SHEET



BMDO FACT SHEET 410-00-11

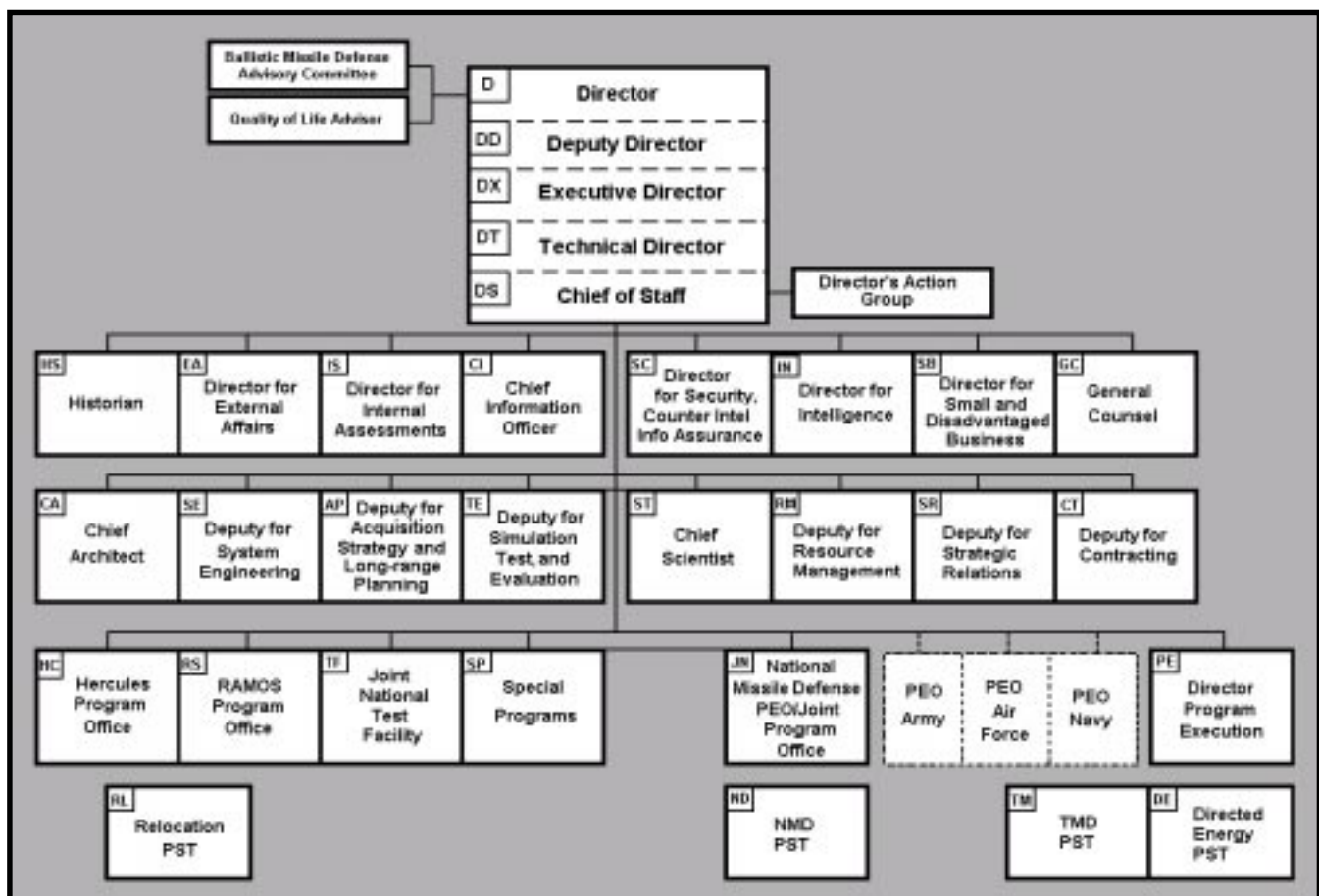
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THE BALLISTIC MISSILE DEFENSE ORGANIZATION

INTRODUCTION

The Ballistic Missile Defense Organization (BMDO) manages, directs, and executes one of the most technologically complex programs ever undertaken by the Department of Defense (DoD). Partnered with all of the Military Departments, other federal agencies, the private sector, and major research institutions, BMDO's role is to facilitate the integration of leading edge and emerging technologies into an effective acquisition policy for missile defense.

The Director of the BMDO is appointed by the Secretary of Defense and reports to the Under Secretary of Defense for Acquisition, Technology and Logistics (USD/AT&L). As the Ballistic Missile Defense Acquisition Executive (BMDAE), the BMDO Director is charged with developing defensive systems to counter an evolving theater and strategic ballistic missile threat, with its attendant threat of the employment of Weapons of Mass destruction (WMD) on the U.S. and its allies.



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INTRODUCTION [CONTINUED]

As a result of these factors, the BMDO mission is complex and multifaceted. BMDO must develop options for, and deploy when directed, a ballistic missile system that is capable of providing effective defense of the U.S. against limited attacks of ballistic missiles, whether accidental, unauthorized, or deliberate. BMDO must enable deployment of an effective and transportable advanced theater missile defense (TMD) capability to protect forward-deployed and expeditionary elements of the U.S. Armed Forces, as well as its friends and allies. Doing so requires the BMDO to manage programs of basic and applied research to develop follow-on technologies, for both near-term and technology insertion options, for enhancing future BMD systems.

BACKGROUND

The BMDO program is a key element of the overall U.S. defense strategy for the 21st century. Its mission reflects the necessity to provide operational commanders with interoperable systems that can be integrated effectively in defending against ballistic and cruise missiles. Air and missile defense systems must have the capability to operate simultaneously in the same battlespace. The nature of the threat requires that systems be interoperable to a sufficient degree not only to enhance mission success, but also to minimize fratricide. These complex facts-of-life and operational parameters shape the functions and organization of BMDO, as the organization has oversight of all the Services' systems and acquisition programs for missile defense and air defense against both theater and national threats.

These threats have not remained static and continue to proliferate as more sophisticated weapons are developed or distributed to potentially hostile nations. BMDO, therefore, must balance the need to develop new technologies to counter future threats while preparing to respond to immediate and near-term defensive requirements.

BMDO's role is increasingly carried out within constraints related to budget, long timelines for developing new technologies and systems, and the realities of the acquisition process. At the same time, BMDO must be aware of operational and program risks, domestic and international politics, as well as treaty considerations.

Even though the BMDO mission has evolved and reflects the practicalities of these boundaries, defending against ballistic missiles has been a sustaining BMDO vision. Operating on the cutting edge of missile and information technology, BMDO is not merely a technology user, but by necessity, a technology innovator. This spirit of innovation permeates BMDO operations and the way its mission is carried out.

Mission Essential Tasks

- ☐ Develop for Deployment a Limited National Missile Defense
- ☐ Implement the Upper-Tier Acquisition Strategy for Regional Defense
- ☐ Field Lower-Tier TMD
- ☐ Ensure an Integrated and Interoperable Missile Defense
- ☐ Technology Investment to Pace the Threat/Avoid Surprises
- ☐ Foster International Cooperation
- ☐ Focus BMDO and Organization for Success

Source: The BMDO Playbook, April 2000

BMDO PROGRAM AREAS

Director's Action Group [DAG]: Provides specialized staff support to the Director. Provides an integrated team function approach to managing and scheduling the Director's top priority issues, both internal and external. Provides functional support to Director for speeches/briefings.

Historian [HS]: The Historian is responsible for conducting the official BMDO history program in support of the Director and staff to preserve the history of the most extensive weapons development program ever undertaken in the history of the United States. The Historian's responsibilities also encompass the history of the BMDO's predecessor, the Strategic Defense Initiative Organization, and general missile defense history.

External Affairs [EA]: Serves as the principal advisor to the Director for planning, coordinating, facilitating, and implementing all congressional and media-related/public affairs actions.

Internal Assessments [IS]: Serves as the principal advisor to the Director on all matters relating to the ability of the organization to meet its chartered responsibilities in the acquisition of ballistic missile defense systems and technology. Assesses how well the organization is doing in fulfilling the leadership priorities established by the Director.

Chief Information Officer [CI]: Responsible to the Director for the management of overall policies, plans, and procedures for Ballistic Missile Defense (BMD) management and information technology.

Security, Counterintelligence, and Information Assurance [SC]: Serves as the principal advisor to the Director on all matters relating to overall BMDO security and counterintelligence policy, plans, programs, and procedures.

BMDO PROGRAM AREAS (CONTINUED)

Intelligence [IN]: Serves as principal advisor to the Director on all matters relating to BMDO relations with the Intelligence community.

Small and Disadvantaged Business Utilization [SB]: Responsible to the Director and serves as BMDO's principal advisor on the BMDO Small Business and Small Disadvantaged Business Utilization Program.

General Counsel [GC]: The General Counsel serves as the principal legal advisor to the Director and senior BMDO officials. The General Counsel establishes and coordinates legal positions for the Director and exercises functional responsibilities and authorities on all legal matters pertaining to the BMD program.

Chief Architect [CA]: The Chief Architect serves as the organization's senior technical advisor to the Director for joint systems architecture development, to include architectures for National Missile Defense (NMD), Theater Air and Missile Defense (TAMD), and cruise missile options. Responsible for the design and implementation of the various architectural disciplines and new initiatives leading to acquisition milestone decisions in the Agency's BMD programs. The Chief Architect shall exercise functional responsibilities and authorities for the architecture and analysis of the overall BMD program for the purpose of reaching an informal internal conclusion that the system will perform as intended with a low level of risk within stated schedules and cost parameters.

System Engineering [SE]: The Systems Engineer serves as the principal advisor to the Director for the systems engineering, integration, and interoperability of the BMD program, to include NMD, TAMD, and cruise missile options. Ensures system

engineering function, supports architecture analysis, and cost effectiveness trades. Develops and manages a program for overall systems integration to achieve interoperability among BMD systems; ensures the integration for all Service and weapon system elements, including Battle Management/Command, Control, Communications, Computers and Intelligence (BM/C4I).

Acquisition Strategy and Long Range Planning [AP]: Responsible to the Director for the management of BMD acquisition strategy, to include NMD, TAMD, and cruise missile options. Ensures that balanced, realistic requirements (i.e., weapons, sensors, and BM/C4I components) for BMD systems are properly reflected in long-range acquisition strategies to meet overall BMD mission requirements. Translates DoD and other Federal agency policies to ensure compliance when developing strategic plans. Serves as BMDO's liaison to the Joint CINCs for requirements integration, planning, wargaming, exercises, and operation assessments.

Test, Simulation, and Evaluation [TE]: Serves as the principal advisor to the Director for test, simulation, and evaluation (T&E) resources, civil engineering, and environmental planning and compliance for the BMD program, to include NMD, TAMD, and cruise missile options. Responsible for the overall planning, programming, budgeting, and execution of the T&E infrastructure and the modeling and simulations program.

Science and Technology [ST]: Serves as the Chief Scientist to the Director for the management of BMD Technology and Technical Core Competency Programs. The Chief Scientist exercises functional responsibilities and authorities for the overall management, within the BMDO, of BMD Technology and Technical Core Competency programs

and projects necessary to implement policies, program guidance, and program strategy.

Resource Management [RM]: Responsible to the Director, and serves as the principal advisor for planning and control, cost estimating and analysis, and financial management. Focal point for collecting financial and programmatic data. Develops policies, procedures, and formats for cost estimating and analysis for all BMD acquisition programs. Supports cost and operation effectiveness analysis. Develops cost estimates in support of BMD program and budget exercises. Ensure budgeting for the BMD Program focus is maintained, OSD-directed fiscal requirements are met, and cost, schedule, and performance standards are maintained consistent with the program baseline and Program Management Agreements. Serves as the focal point for the BMDO Selected Acquisition Report and the Defense Acquisition Executive Summary. Also serves as the focal point for performance management and measurement activities. Administers manpower, personnel, and organizational planning programs, training, special emphasis/affirmative action programs, morale/welfare programs, incentive awards programs, the Career Acquisition Workforce program, facility management, and travel operations.

Strategic Relations [SR]: Responsible to the Director for developing the analysis, planning, and implementation of all international relations of the organization. Serves as the principal advisor to the Director for international participation in the BMD program, relations with other government agencies, and Congress on international relations issues. Responsible for coordinating policy and programs regarding international security, arms control negotiations, international agreements, and ancillary documents.

BMDO PROGRAM AREAS

(CONTINUED)

Contracting [CT] : Serves as principal business advisor to the Director on all contractual matters pertaining to the BMD program.

Joint National Test Facility [JNTF]: Serves as the Commander, Joint National Test Facility (Schriever Air Force Base, Colorado Springs, CO) reporting to the Director. The key mission is to provide missile defense related analysis, system level engineering, integration, and test and evaluation support for the development, acquisition, and deployment of missile defense systems and architectures.

National Missile Defense Joint Program Office [NMD JPO]: The NMD Joint Program Office (JPO) has the responsibility to develop, demonstrate, and deploy (when directed) a system to defend the United States against a limited strategic ballistic missile threat by a rogue nation.

PROGRAM SUPPORT TEAMS

National Missile Defense Program Support Team : Serves as the Program Support Team (PST) for the NMD JPO. Manages the development of plans and policies, the definition of resource requirement, and the program specifications for the core NMD programs. Implements program guidance and program strategies required to demonstrate, validate, integrate, and make available for fielding the NMD capabilities.

Upper Tier/Lower Tier PST: Serves as the PST for the TAMD Upper and Lower Tier acquisition programs. Manages the development of plans and policies, the definition of resource requirements, and the program specifications for the core Upper and Lower Tier programs. Implements program guidance and program strategies required to demonstrate, validate, integrate, and make available for fielding the Upper Tier capabilities.

Forward Defense PST: Serves as senior advisor to the Director on all matters related for planning and implementing functions for boost phase defenses attack operations, and related special projects.



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